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Application Development Mobile

430-431-VA

Horizon Game Store

**Project aim and description:**

The aim of the project is to create an app for a game store. This app's function is to enable users to purchase their preferred video games. The user has the option of creating a new account or logging in with an existing one. There is also a news page provided to alert users about any news on video games. A setting button is also available for altering the user's profile and changing any UI-related settings. The user will be able to browse all the games that are offered and examine each game's description and reviews. Additionally, a map showing neighboring gaming shops will be available. The user will be prompted to confirm their purchases after seeing the full price whenever they are ready to check out. A thank-you message will be delivered to the user after making a purchase.

**Included pages and features:**

* Login
* Registration
* Home/Landing
* List All Available Games
* View One Specific Game
* Add To Cart Menu
* Reviews
* Modify Profile
* Checkout
* Map
* Settings/Options
* News

**Functional Requirements:**

* Mock-Up design
* UI interface
* Database Connection
* CRUD operations
* Landing page/Home screen
* Implementation of recycler view
* Completed UI interface
* API calls
* Location awareness
* Running on emulator

**Non-Functional Requirements:**

* Notification manager
* Authentication

**Improvement to be made:**

* Better design
* A larger variety of music options

**User Stories and Test Cases:**

* As a user, I want to login and logout, so that I can login and logout of an account

Login Page

A registered user should be able to successfully log in

1. Navigate the start page
2. Click “Sign In”
3. In the ‘username’ field enter the username of a registered user
4. In the ‘password’ field enter the password of a registered user
5. Click “Sign In”

The user is redirected to the home page of the application

* As a user, I want to look at the store’s available games, so that I can know what games there are

Available Games

A user should be able to view the available games

1. Navigate the home page
2. Click “Available Games”

I arrive on the available games page and can view all available games

* As a user, I want to search, so that I can find a particular game that I want

Search

A registered user should be able to search

1. Navigate the home page
2. Click “Available Games”
3. Type in any game to search

I arrive on the available games page and can search for a game

* As a user, I want to be able to add items to my cart, so that I can then view those items

Cart

A user should be able to send items to cart

1. Navigate the start page
2. Click “Available Games”
3. Click on “Send to Cart”

The item is sent to your cart. To view your cart, go to home page and click on Cart.

* As a user, I want to see all the actions that I can make in this application

Home Page

A user should be able to view all his available actions

1. Navigate to start page
2. Click “Sign In”
3. In the ‘username’ field enter the username of a registered user
4. In the ‘password’ field enter the password of a registered user
5. Click “Sign In”
6. Navigate Home page

I arrive on the home page where all of actions are available to me.

* As a user, I want to checkout, so that I can purchase items from my cart

Checkout

A user should be able to checkout and buy games

1. Navigate the home page
2. Click “Cart”
3. Click on “Checkout”

I arrive on the checkout page where I can purchase games.

* As a user, I want to view my profile, so that I can modify my profile, username and password

Profile Edit

A user should be able to modify their profile

1. Navigate the home page
2. Click “Profile Edit”
3. Can modify username and password
4. Can delete user’s account

I arrive on the profile edit page where I can edit my profile.

* As a user, I want to view the app settings, so that I can toggle the light/dark mode and the music feature

App Settings

A user should be able to access the app settings

1. Navigate the home page
2. Click “App Settings”
3. Can toggle light and dark mode
4. Can toggle the background music

I arrive on the app settings page where I can adjust the settings of the app.

* As a user, I want to find stores, so that I can view the location of Horizon affiliated game stores

Find Stores

A user should be able to view the store locations

1. Navigate the home page
2. Click “Find Stores”

I arrive on the find stores page where I can view the location of Horizon affiliated stores.

* As a user, I want to see game news, so that I can see news about video games

Game News

A user should be able to see the game news

1. Sign in
2. Home page
3. Click on “Game News”

I arrive on the game news page, and I can see news about video games.

* As a user, I want to be able to go to game reviews, so that I can see the reviews of the games

Game Review

A registered user should be able to successfully log in

1. Navigate the home page
2. Click “Available Games”
3. Click on a game

I arrive on the game review page and can view the review.

**Roles**

George:

* Responsible for most of the designs
* Adding, creating, and deleting the users from the database
* Making sure the music kept on playing
* Creation and Implementation of User and Admin Login
* Implementation of Available Games
* Implementation of Search

Saqib:

* Creation and Implementation of User and Admin Login
* Google Maps implementation
* Modifying the database
* Implementation of Add to cart and cart
* Implementation of Search game
* Implementation of Available Games
* Implementation of Profile

Konstantinos:

* General Testing
* Creation and Implementation of User and Admin Login
* Google Maps implementation
* Implementation of Find Stores
* Implementation of Available Games
* Implementation of Game News